

ABSTRACT

The invention provides a method for expediting reading and writing on a non-volatile storage medium. The method is to adjust the size, location, and allocation unit (cluster) of each system parameter block of a non-volatile storage medium according to the storage medium's capacity and block size at the time when system planning/formatting is performed. Then, after system planning/formatting, the non-volatile storage medium is able to write in data starting from the initial position of one of the blocks of the non-volatile storage medium whenever the host end is storing the file data. Thus, the invention can reduce data movement and enhance system performance effectively.